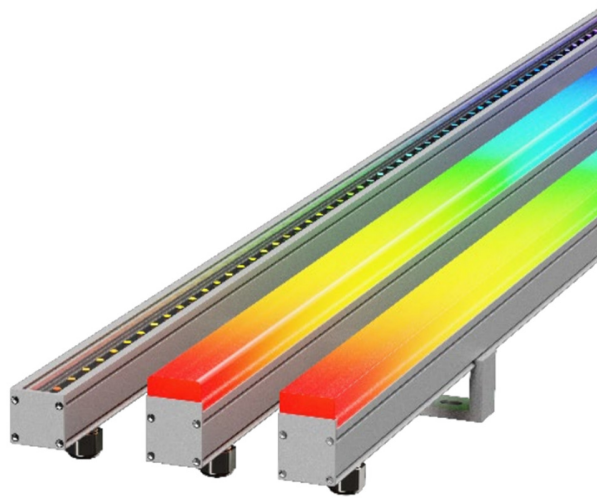


LumiPixel DC Pixel Bar **LumiPixel Slim DC Pixel Bar**



INSTALLATION GUIDE

Important Note:

This installation guide is intended for reference purposes only. All installations should comply with local laws, regulations, and site-specific conditions. The recommendations provided are general guidelines and may require adjustments based on the actual site situation. Always consult a qualified professional for final installation decisions.



WARNING:

- This product must be installed according to national and local electrical codes by a qualified individual familiar with DC systems, the product’s operation, and associated risks.
- Failure to follow the installation instructions may result in serious injury or death.
- Disconnect power before installation or maintenance to avoid electrical shock.
- Ensure the fixture is connected to the correct DC voltage and polarity as specified in the product documentation. Do not exceed the rated voltage.
- Do not install if the fixture, parts, or connectors are damaged.
- The fixture is rated IP66 and suitable for outdoor, wet locations.
- Do not submerge the fixture in water or other liquids.
- Avoid direct exposure to concentrated light from the pixel bar as it is designed for visual impact.
- Do not exceed the maximum number of fixtures in any single run. Refer to Table 1 for wiring limitations and power configurations.

CAUTION: Unauthorized modifications or repairs will void the warranty.

MAXIMUM LOAD CAPACITY PER RUN (Table 1)	
Series	LumiPixel / LumiPixel Slim
Input Voltage Range	15V-24VDC Wide Voltage
Max Power	3W(250mm), 6W(500mm), 12W(1000mm)
Max. Power Linking	
250mm (0.82ft)	40 nos.
500mm (1.64ft)	20 nos.
1000mm (3.28ft)	10 nos.
Max run length is for interlink and leading cables (Fixtures not included)	15 Meters

Remark:

- Please be aware that mounting screws and hex-head bolts are not included with your purchase. Installers will need to supply these items for installation.
- The actual maximum daisy chain limit may vary based on the gauge of the leading cable and the specific installation conditions. The values provided are recommended guidelines and should be considered as such. Please ensure that all installations comply with local electrical codes and safety standards.

INSTALLATION INSTRUCTIONS

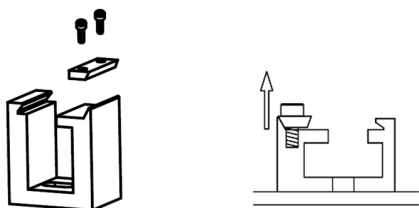
LumiPixel / LumiPixel Slim

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HARDWARE INSTALLATION STEPS

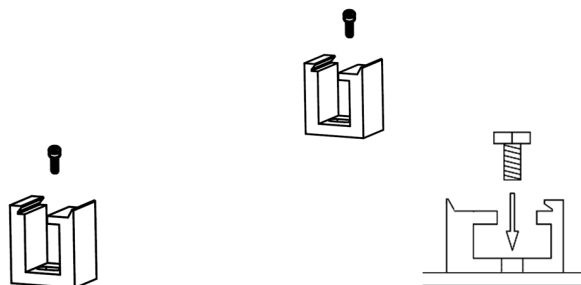
STEP 1) Position the Fixture:

Place the fixture in the desired location.



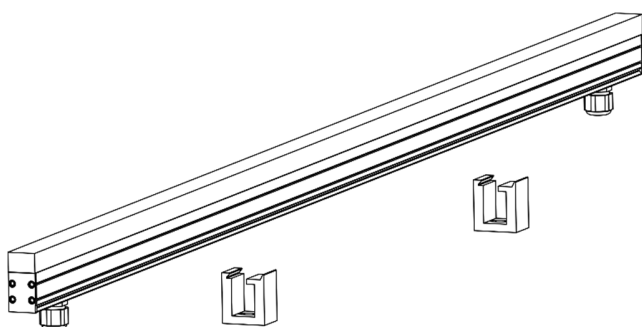
STEP 2) Secure the Fixture:

Ensure the fixture is securely fixed by fastening the screws through the screw holes on the flange located on the side.



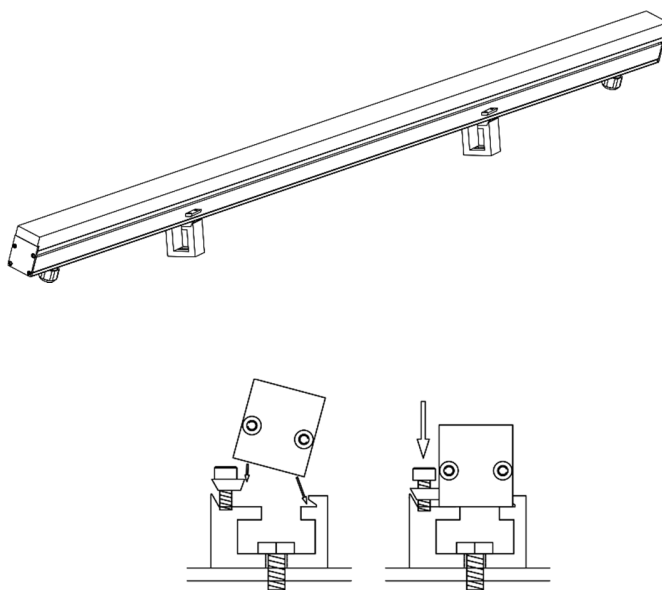
STEP 3) Position and Hold:

Offer the fitting to the fixed brackets and secure it in place.



STEP 4) Reinsert and Secure:

Place the removed plate back into position and fasten it securely using the provided screws.



INSTALLATION INSTRUCTIONS

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WARNING

- Ensure the DC RGBW Pixel Bar is properly grounded, and the DC power supply includes overcurrent protection (e.g., a fuse or circuit breaker) and a disconnect device for servicing or when not in use.
- Before connecting DMX cables, confirm all wiring adheres to DMX standards to prevent communication issues or damage.
- Disconnect the DC power supply and DMX signal entirely before performing any maintenance or troubleshooting.
- Verify that the voltage, polarity, and DMX settings match the product label and power supply specifications before powering on the fixture.
- Ensure the DMX address and control settings are correctly configured to prevent unintended lighting behavior.
- For DMX networks, use proper termination (DMX Terminator) to avoid signal interference or reflections.

INSTALLATION INSTRUCTIONS

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Wire Identification Schemes Table:

Cable	Function	Core	Wire Size
Power and Data Power Lead in and Interlink Cable	DC+	Red	1.0mm ²
	DC-	Black	1.0mm ²
	DMX+	Yellow	0.5mm ²
	DMX-	Blue	0.5mm ²
	DMX GND	Green	0.5mm ²

Maximum Fixtures per Signal Chain:

Pixel per Meter	No. of Channels	Protocol	Max. no. of 1-Meter fixtures can be clustered
1 pixel	4 Channels	DMX 512	128 nos.
10 pixels	40 Channels		12 nos.
20 pixels	80 Channels		6 nos.

Control Type and Grouping Configurations for 1 Meter Fixtures:

Control Type Option	DMX RDM Personality	No. of Channels
Pixel per Fixture	1 group	4
10 Pixels per Meter	10 groups	40
20 Pixels per Meter	20 groups	80

INSTALLATION COMPLETION CHECKLIST

Checklist Category	Task	Completed (✓)
General Preparation	Verify all components are present and undamaged (fixtures, cables, connectors, etc.).	
	Confirm the DC power supply matches the voltage and polarity specified on the product label.	
	Ensure the power supply includes overcurrent protection (e.g., fuse or circuit breaker) and a power disconnect device is installed.	
Mounting and Fixture Alignment	Check that all fixtures are securely mounted using appropriate screws and brackets.	
	Verify alignment and angles are adjusted to achieve the desired lighting effect.	
Electrical Connections	Confirm all power and data cables are securely connected and meet the recommended wiring standards.	
	Verify proper grounding of the fixture for safety and compliance.	
	Ensure DMX cables (if applicable) are terminated correctly to prevent signal interference.	
Safety and Testing	Confirm that power is disconnected before performing any adjustments or maintenance.	
	Test the installation for proper functionality, including DMX addressing and control settings (if applicable).	
	Inspect for any exposed wiring, loose connections, or mechanical stress on cables.	
	Verify that the installation complies with all national and local electrical codes.	